

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	392	stephen.in. same russell.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 16:41
L2	1	alireza.in. same pourmohammadi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 16:41
L3	2	ningtao.in. same mao.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 16:41
L4	2	idris.in. same ahmed.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 16:41
L5	8	manoj.in. same rathod.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 16:41
L6	26	1 and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 16:42
L7	2	("5475904").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 16:54
L8	16	("1508895" "1764846" "1903424" "2074663" "3150621" "3154462" "3354020" "4070217" "4498941").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/15 16:54
L9	6	("5475904").URPN.	USPAT	OR	OFF	2010/01/15 16:55
L10	37	stephen.as. same russell.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 16:59
L11	1300	spacer same (non-woven nonwoven)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 17:01
L12	496	11 and (voids void channels channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 17:02
L13	17	12 and (hydroentangled hydroentangling hydro-entangled)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 17:02
L14	1055	(428/188).OCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 17:05

L15	58	L14 and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 17:05
L18	1055	(428/188).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 17:08
L19	4	18 and (hydroentangled hydro-entangled spunlaced spun-laced)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 17:09
L20	81	L14 and (nonwoven non- woven)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 17:11
S1	1	10/564,319	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 12:00
S2	353	stephen.in. same russell.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 12:07
S3	1	alireza.in. same pourmohammadi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 12:07
S4	2	ningtao.in. same mao.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 12:07
S5	2	idris.in. same ahmed.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 12:08
S6	0	majoj.in. same rathod.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 12:08
S7	8	manoj.in. same rathod.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 12:08
S8	23	S2 and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 12:46
S9	17	("4103058" "4741941" "4839216" "5475904" "5475904" "5575874" "5853628" "5906879" "6146580").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 12:59
S10	98	spacer same fabric same (nonwoven non-woven unwoven)	DERWENT	OR	OFF	2008/05/22 13:39
S11	1009	(428/188).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:00
S12	54	S11 and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:00

S17	16358	(nonwoven unwoven non-woven) and (channels voids)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:13
S18	1659	S17 and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:13
S19	438	S18 and hydrophilic and hydrophobic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:13
S20	11	S19 and (water adj jets)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:14
S21	773	(442/381).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:20
S22	1009	(428/188).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:21
S23	3	S21 and S22	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:21
S24	21	S21 and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:22
S25	2	S21 and (spacer adj fabric)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:23
S26	478	(spacer adj fabric)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:23
S27	159	S26 and (nonwoven unwoven non-woven)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:23
S28	10	(spacing adj yarns) and ground	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/22 14:25
S29	28	("20020114782" "20020140258" "20030021946" "20040062903" "20040097151" "20050112975" "2792320" "4504536" "4798756" "4833016" "5385036" "5422153" "5456976" "5589245" "5651847" "5783277" "5817391" "5896758" "5902014" "6064037" "6103641" "6116059" "6156406" "6231940" "6627562" "6629724" "6840576").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/23 08:54

S30	0	10-202774	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/23 09:07
S31	1	"10202774"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/23 09:07
S32	1	russell.as. same stephen.as.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/23 09:09
S33	2	("5475904").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/23 09:22
S34	16	("1508895" "1764846" "1903424" "2074663" "3150621" "3154462" "3354020" "4070217" "4498941").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/23 09:23
S35	4	("5475904").URPN.	USPAT	OR	OFF	2008/05/23 09:24
S36	180	(nonwoven unwoven non-woven) with hydrophilic with hydrophobic	DERWENT	OR	OFF	2008/05/23 11:00
S37	6	(nonwoven unwoven non-woven) with (hydrophilic adj layer) with (hydrophobic adj layer)	DERWENT	OR	OFF	2008/05/23 11:09
S38	17	needling same (water adj jets)	DERWENT	OR	OFF	2008/05/23 12:16
S39	12	needles same (water adj jets)	DERWENT	OR	OFF	2008/05/23 12:20
S40	2	("5396689").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/18 10:31
S41	2	("5475904").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/18 12:23
S42	0	S41 and (polurethane or urethane)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/18 12:24
S43	11060	spacer and (pu polyurethane urethane) and coating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/18 12:24
S44	77	S43 and hydroentangled	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/18 12:24
S45	748	(vapor adj permeable) same (pu polyurethane)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/18 12:37
S46	162	S45 same coating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/18 12:37
S47	112	S46 and fabric	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/18 12:37

S48	101	S46 and fabric	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2008/12/18 12:37
S49	1	10/564,319	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/31 13:58
S50	1	S49 and hydroentanglement	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/31 13:58
S51	1	10/564,319	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 13:24
S52	1	S51 and fluids	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 13:24
S53	1816	(nonwoven non-woven spunlaced hydroentangled) and (fluid with storage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 14:07
S54	179	S53 and wipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 14:07
S55	3311	(nonwoven non-woven spunlaced hydroentangled) and (liquid with storage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 14:08
S56	278	S55 and wipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 14:08
S57	89	S56 and hydroentangled	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 14:15
S58	71	(442/384).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 14:25
S59	598	pre-moistened same wipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 14:29
S60	30	S59 and voids	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 14:30
S61	2	("6863960").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 14:33
S62	0	S61 and hydroentangling	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 14:33
S63	1	S61 and water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 14:33

S64	127	("2257428" "2679887" "2862251" "2896692" "3081500" "3081512" "3354022" "3485706" "3542634" "3574109" "3597299" "3681182" "3681183" "3695967" "3695985" "3728203" "3800364" "3855046" "3860003" "3881987" "3927673" "3929135" "3949127" "3953638" "4062993" "4101625" "4116892" "4135021" "4153664" "4207367" "4223059" "4276336" "4285100" "4333979" "4342314" "4349020" "4355066" "4404052" "4414970" "4418123" "4421812" "4522863" "4525407" "4573991" "4588630" "4600620" "4603069" "4606964" "4609518" "4629643" "4657802" "4695278" "4720415" "4741944" "4758297" "4797310" "4801482" "4808178" "4816025" "4840829" "4847134" "4891258" "5116662" "5143679" "5151092" "5156793" "5167897" "5204158" "5260345" "5268224" "5320891" "5338766" "5376198" "5431991" "5451219" "5518801" "5536555" "5567501" "5587225" "5595567" "5620779" "5623888" "5626571" "5628097" "5635290" "5658639" "5662634" "5681302" "5683374" "5683794" "5691035" "5714107" "5733822" "5804021" "5830555" "5846232" "5851935" "5853881" "5891544" "5906879" "5916661" "5919411" "6015605" "6022607" "6025050" "6027593" "6054202" "6057024" "6086984" "6106925" "6203654" "6537930").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/29 15:28
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S65	5	("6863960").URPN.	USPAT	OR	OFF	2009/05/29 15:34
S66	28	(hydroentangled spunlaced hydro-entangled) same liquid same wipe	USPAT	OR	OFF	2009/05/29 16:42
S67	1	substance same delivery same system same spunlaced	USPAT	OR	OFF	2009/05/29 16:46
S68	0	substance same delivery same system same hydroentangled	USPAT	OR	OFF	2009/05/29 16:46
S69	0	substance same delivery same system same needling	USPAT	OR	OFF	2009/05/29 16:46
S70	0	substance same delivery same system same needled	USPAT	OR	OFF	2009/05/29 16:46
S71	2	substance same delivery same system same spunlaced	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 16:47
S72	0	substance same delivery same system same hydroentangled	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 16:47
S73	0	substance same delivery same system same needling	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2009/05/29 16:47
S74	0	substance same delivery same system same needled	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 16:47
S75	2	substance same delivery same spunlaced	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 16:48
S76	4	liquid same delivery same spunlaced	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 16:48
S77	24	liquid same delivery same hydroentangled	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 16:48
S78	2	("6863960").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/29 17:34
S79	1	10/564,319	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/30 14:46
S80	1	S79 and permeability	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/30 14:46
S81	1	S79 and interconnections	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/30 14:48
S82	0	S79 and enable	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/30 14:49

S83	1	S79 and delivery	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/30 14:49
S84	1	S79 and fluids	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/30 15:00
S85	4	(("5475904") or ("5396689")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/30 15:12
S86	0	S85 and air	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/30 15:12
S87	0	S85 and gas	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/30 15:12
S88	2	("6863960").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/30 15:14
S89	1	S88 and spunlaced	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/05/30 15:18
S90	348	(442/408).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 14:52
S91	73	(442/384).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/01/15 14:52
S92	0	spacer and (hydroentangled hydro-entangled spunlaced spun-laced)	DERWENT	OR	OFF	2010/01/15 15:18
S93	345	spacer and (nonwoven non- woven unwoven)	DERWENT	OR	OFF	2010/01/15 15:19
S94	0	S93 and (hydroentangled hydro-entangled spunlaced spun-laced)	DERWENT	OR	OFF	2010/01/15 15:19
S95	6259	spacer and (nonwoven non- woven unwoven)	US-PGPUB; USPAT	OR	OFF	2010/01/15 15:19
S96	263	S95 and (hydroentangled hydro-entangled spunlaced spun-laced)	US-PGPUB; USPAT	OR	OFF	2010/01/15 15:20

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L16	2	(428/188).CCLS.	UPAD	OR	OFF	2010/01/15 17:07
L17	9	(442/381,387,389,402,408).CCLS.	UPAD	OR	OFF	2010/01/15 17:07

1/15/10 5:30:24 PM

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